



Acting Director's Report to the National Advisory Mental Health Council

January 25, 2002

Note: Given the tragic events of September 11, 2001, the September 2001 Policy Session of the National Advisory Mental Health Council was cancelled. The following report includes activities originally intended for presentation at that session.

HONORS AND AWARDS

COUNCIL MEMBERS

Dr. Jeffrey Lieberman was elected as a new member of the Institute of Medicine in November. New members are chosen for their major contributions to health and medicine or to related fields such as social and behavioral sciences, law, administration, and economics.

Dr. James McClelland received the 2001 University of Louisville Grawemeyer Award, together with Dr. David Rumelhart, Stanford University, for outstanding contributions to the field of psychology. The award recognizes the impact of their work on many subfields of psychology, such as decision making and language development, as well as the expanding fields of economics, engineering, and artificial intelligence.

Mr. James McNulty was elected President of the 16-member Board of Directors of the National Alliance for the Mentally Ill (NAMI). He previously served as treasurer and as a member of NAMI's Consumer Council.

NIMH GRANTEES

Several grantees were elected as new members of the Institute of Medicine in November. They include: Dr. Margaret Chesney, University of California, San Francisco; Dr. Kenneth Davis, Department of Psychiatry, Mount Sinai School of Medicine, New York City; Dr. Robert Gibbons, University of Illinois at Chicago; Dr. Racquel Gur, Department of Psychiatry, University of Pennsylvania Medical Center, Philadelphia; Dr. Janice Kiecolt-Glaser, Department of Psychiatry, College of Medicine, Ohio State University, Columbus; and Dr. David Williams, Survey Research Center, Institute for Social Research, University of Michigan, Ann Arbor.

Dr. William Anthony, Director of the Center for Psychiatric Rehabilitation, Boston University, received the 2001 Alice Fordyce Public Service Award from the American Association for Psychosocial Rehabilitation in recognition of his lifelong work as a researcher, educator, and clinician in the field of psychiatric rehabilitation.

Dr. Susan Ettner, University of California, Los Angeles (UCLA), received the 2001 Junior Investigator Award given by the Academy for Health Services Research and Health Policy.

Dr. David Greenblatt, Tufts University School of Medicine, received the 2001 Nathaniel T. Kwit Memorial Distinguished Service Award from the American College of Clinical Pharmacology.

Dr. Laura King, Southern Methodist University, received the 2001 Templeton Positive Psychology Prize (second place award) for her research on how daily goals—and the stories people "spin" about them—can have positive effects on thoughts, mood, behavior, and well-being. Dr. King's work focuses on how people in difficult circumstances and transitions (e.g., having a child with Down syndrome, going through a divorce, or experiencing infertility) create positive lives for themselves.

Dr. James McGaugh, a former Council member, was recently honored by the University of California, Irvine, School of Biological Sciences, with the dedication of a building in his name. Dr. McGaugh formed and chaired the first university department in the world devoted to the study of brain and behavior, the Department of Psychobiology, which recently was renamed the Department of Neurobiology and Behavior. In subsequent decades, his outstanding contributions to the understanding of learning and memory and his pioneering department influenced the development of hundreds of similar university departments worldwide. Dr. McGaugh is a member of the National Academy of Sciences.

Dr. Richard Shiffrin, Indiana University, Bloomington, is the recipient of the 2002 David E. Rumelhart Prize for Contributions to the Formal Analysis of Human Cognition. Dr. Shiffrin, whose work has been supported by NIMH for more than 30 years, has made numerous significant advances in the experimental and theoretical study of human memory and attention.

Dr. Gary Small, UCLA, received the 2001 Siemens Nuclear Medicine Group Image of the Year Award for his new method of imaging Alzheimer plaques and tangles using PET scanning.

Dr. Joseph Takahashi of Northwestern University, a former Council member, was awarded the Columbia University College of Physicians & Surgeons W. Alden Spencer Award. He delivered the 24th annual W. Alden Spencer Lecture on November 30 in New York. The W. Alden Spencer Award is bestowed on a young investigator in recognition of outstanding research contributions in neural science.

Dr. Shelley Taylor, UCLA, received the 2001 William James Fellow Award from the American Psychological Society for significant lifetime contributions to the basic science of psychology. Dr. Taylor has been a pioneer in shaping research at the interface of social and health psychology. Her focus has been on how human perception and cognition, particularly positive illusions and feelings of control, shape behavior and adjustment to threatening events (including illness, with an emphasis on cancer and AIDS).

Dr. Kenneth Wells, UCLA, received the 2001 Senior Investigator Award from the Academy for Health Services Research and Health Policy.

NIMH STAFF

Dr. Karen Babich received the American Psychiatric Nurses Association (APNA) award for Nurse of the Year—2001. This award recognizes APNA members who demonstrate vision, perseverance, dedication, initiative, and facilitation in the delivery of mental health services to individuals and their families.

Former NIMH staff member Dr. Mary Harper was honored on May 7, 2001, by the State of Alabama that dedicated the Mary Starke Harper Geriatric Psychiatry Center in Tuscaloosa. Dr. Harper was recognized for her pioneering work and leadership in the field of mental health and aging. Many distinguished guests were present at the ceremony, including U.S. Surgeon General Dr. David Satcher.

Dr. Euthymia Hibbs was honored by Division 53 of the American Psychological Association and by the Society of Clinical Child and Adolescent Psychology in recognition of her contributions to the advancement of clinical and adolescent psychology.

Dr. Stephen Koslow received the President's Award from the International Neural Network Society in July "for outstanding leadership fostering international collaboration of Human Brain Projects through modern Neuroinformatics."

Dr. Ellen Stover, Director of the Division of Mental Disorders, Behavioral Research and AIDS (DMDBA), received a 2001 Presidential Rank Award in recognition of her outstanding leadership as a member of the Senior Executive Service. The October ceremony was capped by a speech by President George W. Bush and attended by the Bush Cabinet.

Dr. Leslie Ungerleider, Chief of the Laboratory of Brain and Cognition, Division of Intramural Research Programs (DIRP), was elected as a new member to the Institute of Medicine in November.

PROGRAM ACTIVITIES

OFFICE OF THE DIRECTOR (OD)

NIMH Activities in Response to Terrorist Attacks/Disasters of September 11, 2001

As part of Health and Human Services (HHS) efforts to help the Nation recover from the attacks of September 11, 2001, NIMH has been providing information on the potential mental health impact of the attacks and on evidence-based approaches to addressing acute and longer-term mental health needs. The Institute also has been identifying a responsible research agenda to clarify how we can avoid complications, improve national response, and better address consequences in the future.

Since the September 11 attacks, NIMH program staff has been in communication with personnel from the Center for Mental Health Services (CMHS) in the Substance Abuse, Mental Health, and Services Administration (SAMHSA) to establish a Federal Emergency Management Agency (FEMA) mental health response on behalf of the Federal Government. NIMH program staff has played a key role in making relevant expertise available to CMHS/FEMA and to disaster and mental health authorities in New York and Washington, DC. Through the NIH, NIMH is communicating with various agencies of HHS, the Department of Energy, the Department of Justice, and the Department of Defense to provide expertise and technical assistance for planning mental health services and generating information for the public.

NIMH participated in a SAMHSA-led briefing for the HHS Secretary on September 19. At this briefing, the Secretary asked the attending agencies (SAMHSA, the Administration for Children and Families, the Indian Health Service, the Health Resources and Services Administration, and NIH) to meet weekly, with the goals of sharing information on agency activities, organizing educational and planning summits, identifying/synthesizing Web materials for educational purposes, and discussing emerging needs over time as well as needs currently going unmet.

In late September, NIMH staff organized and led a teleconference with 25 national and international disaster and trauma researchers and clinicians. Its purpose was to identify opportunities for making their individual and collective expertise available to regional and national health and mental health efforts, including Federal/State planning through the SAMHSA/CMHS Emergency Services Disaster Relief Branch. NIMH developed a roster of experts available for technical assistance and consultation on:

- Services Planning (e.g., predicting who is likely to present with physical and psychological symptoms, and with what types of symptoms; implementing triage models of care and a range of services that will be helpful; and identifying where people will present and be seen).
- Screening/Assessment (e.g., what to assess, when, and why, in children and adults).
- Treatment Guidance (e.g., who should/should not be treated, available and effective treatments/manuals delivered by whom).
- Training/Supervision (e.g., working with lay and professional providers).

NIMH leadership also worked with the Office of the Surgeon General (OSG) and CMHS to determine the need for HHS training and clinical personnel. More than 35 NIMH clinicians, psychiatrists, psychologists, social workers, and counselors volunteered. NIMH established a database of volunteers with their areas of expertise, including those related to delivering trauma-focused interventions and training others in the delivery of care. NIMH and the National Human Genome Research Institute also made their services available to New York officials to support victim identification through DNA testing.

The Office of Communications and Public Liaison (OCPL) drew together and featured on the NIMH Web site all documents related to trauma and PTSD (see <http://www.nimh.nih.gov/outline/responseterrorism.cfm>). A valuable fact sheet entitled "Helping Children and Adolescents Cope with Violence and Disasters" was posted on the front page and received around 60,000 hits in the first week after the terrorist attacks. Traffic on the entire NIMH Web site, normally 5 to 6 million hits per month, increased in September to 7 million hits. The NIMH Web site has been cited as a valuable resource by many, including the *New England Journal of Medicine*.

The NIMH press office has worked hand in hand with HHS to answer media inquiries and ensure that relevant and expert information was available to the public.

Dr. Steven Hyman was interviewed by the media on post-traumatic stress disorder (PTSD) and other mental health issues associated with the September 11 attacks. The interviews included:

- "The News Hour" on PBS
- AP reporter Paul Recer
- *New York Times* reporter Robin Pogrebin
- *Washington Post* reporter Abigail Trafford

While communities are pressed to deal with immediate problems, it is important to learn what we can from these terrible tragedies. Staffs of the NIMH extramural and intramural programs are actively working to identify the most pressing research needs in this area. NIMH is working with numerous experienced disaster and trauma researchers to examine the feasibility of launching information-gathering activities, noting the imperatives of doing no harm, placing the care and safety of victims and survivors above all else, and coordinating with local assistance efforts.

NIMH is using multiple research mechanisms to fund timely research, including Rapid Assessment Post Impact of Disaster (RAPID) grants as well as supplements to ongoing longitudinal and clinical studies. In doing so, the Institute fully recognizes the primary need to attend to the victims and survivors and to coordinate with local assistance efforts. (Information about research funding is available on the NIMH Web site.) The Institute is currently reviewing and supporting a range of new and supplemental research activities that will focus on national needs as well as the most directly affected communities (New York City and Washington, DC). NIMH formed an interdisciplinary and inter-divisional working group to consider new and supplemental research activities, attending to the range of research needs in this area.

As research interests turned to measuring the impact of terrorist attacks on the Nation's health and mental health, many became interested in using common measures to allow for a number of important analyses/activities. These include efforts to account for the impact of the attacks (bias) on longitudinal and clinical research focused on physical health outcomes as well as those to identify and understand the mental health consequences of traumatic stress and bereavement, including comparisons among groups and establishing population "norms." This enhanced interest has resulted in the generation of several "9/11" specific sets of items/surveys/questionnaires designed primarily as exposure-related modules for use in new studies or as "add-ons" to existing studies. There has also been a renewed interest in symptom checklists with previously established norms and reliability and validity data. NIMH is coordinating with other NIH institutes and offices to provide guidance and information on the availability of suitable measures.

Scientific Event Honoring Richard J. Wyatt, M.D.

The NIMH DIRP hosted "Neuroscience and Mental Illness: A Scientific Event in Honor of Richard Jed Wyatt" on May 30. Dr. Hyman gave opening remarks, and speakers included Drs. Solomon Snyder, Johns Hopkins Medical School; Patricia Goldman-Rakic, Yale University; Barry Hoffer, National Institute on Drug Abuse (NIDA); Floyd Bloom, Neurome, Inc.; and many scientists who served as fellows in Dr. Wyatt's laboratory over the years. Since 1969, Dr. Wyatt has worked in the NIMH Intramural Research Program. He has studied schizophrenia, mood disorders, drug abuse, Alzheimer's disease, and the biology of sleep. Research teams under his direction have pioneered experimental models of brain grafts for Parkinson's disease and have shown that early intervention can alter the course of schizophrenia. His work has generated approximately 800 scientific publications and 6 books. Dr. Wyatt also co-produced (with his wife, Dr. Kay Jamison) a series of programs about manic-depressive illness and creativity that aired on public television.

Surgeon General's Report on Race, Culture, and Ethnicity

In August, Surgeon General David Satcher's report "Mental Health: Culture, Race, and Ethnicity: A Supplement to Mental Health: A Report of the Surgeon General" was published (see <http://www.surgeongeneral.gov/library/mentalhealth/cr/>). Staff of NIMH worked with the Surgeon General and the Center for Mental Health Services to prepare the report, which probes the mental health disparities affecting racial and ethnic minorities. Drawing on scientific evidence from a wide-ranging body of empirical research, the report has three purposes: (1) to understand the nature and extent of mental health disparities; (2) to present the evidence on the need for mental health services and the provision of services to meet those needs; and (3) to document promising directions for the elimination of mental health disparities and the promotion of mental health.

Fifth Annual Research Roundtable

NIMH held its Fifth Annual Research Roundtable on June 15 in Washington, DC (see <http://www.nimh.nih.gov/research/roundtable2001.cfm>). The Roundtable provides an opportunity for the Institute to exchange information with, and learn the views and concerns of, those invested in helping to build a carefully planned research program. The Roundtable brought together the NIMH director and staff with consumers, providers of mental health services, family members, research scientists, representatives from advocacy and professional organizations with an interest in mental health, and others.

World Mental Health Assembly

The World Federation for Mental Health is an international, non-governmental, voluntary mental health association of organizations and individuals, representing volunteers, professionals in all disciplines, and users of mental health services. NIMH co-sponsored the annual meeting in July in Vancouver. Dr. Steven Hyman, then NIMH Director, presented "Implications of the Genomics Revolution for Psychiatry."

American College of Neuropsychopharmacology (ACNP) Celebration for Nobel Awardees

The ACNP sponsored a day of celebration in Washington in mid-July to mark the awarding of the 2000 Nobel Prizes in Physiology or Medicine to three of its members: Drs. Arvid Carlsson, Paul Greengard, and Eric Kandel. The celebration also honored Dr. Julius Axelrod, formerly Chief of the Section on Pharmacology in the NIMH Laboratory of Clinical Science, who received his award in 1970. The day began with a symposium at the Ronald Reagan Trade Center. Senator Arlen Specter (R-PA) was a lunchtime speaker and Senator Joseph Biden (D-DE), Representative Patrick Kennedy (D-RI), and Surgeon General David Satcher made remarks. The Nobel awardees gave afternoon talks. An evening reception was held in the Great Hall of the Library of Congress to mark this momentous occasion.

New Interactive Exhibit—BRAIN: The World Inside Your Head

On July 14, in collaboration with the NIMH, the National Institute of Neurological Disorders and Stroke (NINDS), and NIDA, the Smithsonian Institution introduced "BRAIN: The World Inside Your Head," a new exhibit that provides a hands-on and up-close look at the human body's most essential and fascinating organ by exploring its development, geography, and function. Drs. Dennis Glanzman and Douglas Meinecke of DMDBA served as exhibit design and content consultants for the past 2 years. BRAIN was located at the Smithsonian Arts and Industries Building in Washington, DC, until January 6, 2002 (see <http://www.bbhinc.net/brain.html>). The exhibit now will be traveling across the country. It will be located at the Oregon Museum of Science and Industry in Portland from January 26, 2002, through April 21, 2002; Science Place in Dallas, Texas, from May 10, 2002, through September 15, 2002; the Great Lakes Science Center in Cleveland, Ohio, from October 5, 2002, through January 5, 2003; the New York Hall of Science in Queens from May 24, 2003, through September 7, 2003; Science City in Kansas City, Missouri, from May 22, 2004, through September 11, 2004; the Science Museum of Minnesota in St. Paul from January 29, 2005, through May 8, 2005; and the Museum of Science in Boston, Massachusetts, from May 28, 2005, through September 10, 2005.

Secretary Tommy Thompson Visited NIH

The HHS Secretary, Tommy Thompson, visited NIH during the week of August 20-24 as part of his plan to spend time working at each of the HHS agencies. NIH scheduled a series of meetings, demonstrations, and tours that represented a cross-section of its activities. NIH welcomed this opportunity to inform the Secretary about its unique inner workings and the many opportunities provided by biomedical research.

NIH Autism Coordinating Committee's (NIH/ACC) 2001 Scientific Conference

The 2001 conference focused on "Potential Cellular and Molecular Mechanisms in Autism and Related Disorders." This meeting was sponsored by the National Institute of Child Health and Human Development (NICHD) and the National Institute of Environmental Health Sciences (NIEHS) and co-sponsored by the other institutes of the NIH/ACC: NIMH, NINDS, and the National Institute on Deafness and Other Communication Disorders (NIDCD). This working conference, which took place on September 6-7 in Bethesda, Maryland, provided a forum for discussing the possible cellular and molecular mechanisms for autism and related disorders, as well as new animal models and methodologies for studying autism and relevant environmental insults to the developing nervous system.

Celebrating 50 Years of Brain Research at the NIH

On October 9-10, NIMH and NINDS marked 50 years of progress in neuroscience research and celebrated their 50th anniversaries with a 2-day science symposium. NIH staff and the public were invited to a series of lectures highlighting rapidly advancing knowledge in science and technology achieved through neuroscience research. The symposium featured sessions on "The Communicating Brain," "The Changing Brain," "The Vulnerable Brain," and "The Thinking, Feeling Brain," and Council members Drs. Edward Scolnick and Larry Squire were among the presenters. In addition, the meeting included a session "My View" where patients and advocates discussed how they had benefited from advances in brain research. In addition, the meeting featured a panel of Nobel Laureates—Drs. Paul Greengard, The Rockefeller University; Eric Kandel, Columbia University College of Physicians and Surgeons; Stanley Prusiner, University of California, San Francisco; and Torsten Wiesel, The Rockefeller University. The panel was moderated by Leslie Stahl of CBS's "60 Minutes." Progress thus far has been remarkable and offers promising opportunities to achieve even better ways of treating—and eventually preventing—major disorders affecting the brain and the nervous system. The overall goal of the activities was to draw attention to the accomplishments of the past 5 decades, especially the just-concluded Decade of the Brain, and to launch an exciting new era of brain research now possible as a result of past scientific achievements and the development of powerful brain-imaging technology.

Mental Illness Awareness Week Symposium

In October, Dr. Hyman participated with former NIMH Director Dr. Herbert Pardes in a Mental Illness Awareness Symposium sponsored for Members of Congress by the American Psychiatric Association and the National Alliance for the Mentally Ill. The symposium was an educational event that directed attention to the issues facing persons with mental illness and to advances in research and treatment. Dr. Hyman's talk was entitled "Psychiatry in the Post Genomic Era."

Pan American Health Organization (PAHO) Conference on Mental Health

On November 5-6, PAHO, with substantial support from the NIMH, convened a large conference at the PAHO headquarters in Washington, DC, entitled "Mental Health in the Americas: Partnering for Progress." As background to this conference, 2001 was a year of special importance for mental health. Dr. Gro Harlem Brundtland, World Health Organization (WHO) Director General, announced that WHO would devote the year to mental health. World Health Day-2001 was dedicated to mental health and observed on April 7, 2001, throughout the world. PAHO, the regional office of the WHO for the Americas, is the health organization of the Inter-American System. PAHO invited participants from every country in the PAHO region; approximately 200 people from throughout the region attended. PAHO Member States include all 35 countries in the Americas; Puerto Rico is an Associate Member. France, the Kingdom of the Netherlands, and the United Kingdom of Great Britain and Northern Ireland are Participating States, and Portugal and Spain are Observer States. The purposes of the conference were to convene stakeholders in the mental health area, to identify priorities in mental health across the Americas, and to establish a collaborative research, training, and services agenda across this region to improve mental health. Documents summarizing findings from the conference will be published by PAHO. Drs. Grayson Norquist and Juan Ramos of NIMH were instrumental in this effort and should be contacted for further information and follow-up activities.

Interagency Autism Coordinating Committee (IACC) Meeting

The IACC held its first meeting on November 19 (see <http://www.hearings.com/client/hearing.asp?HID=4327>). The Children's Health Act of 2000 (P.L. 106-310), Title I, Section 104, mandated the establishment of an IACC to coordinate autism research and other efforts within HHS. The IACC is designed to serve as a forum and to assist the Federal agencies in increasing public understanding of their activities, programs, policies, and research and in bringing important matters of interest forward for discussion. The Secretary delegated the authority to establish the IACC to NIH, and NIMH was designated the lead. The committee's primary mission will be to facilitate the effective and efficient exchange of information on autism activities among the member agencies and to coordinate autism-related activities. The Secretary appointed four parents or legal guardians of individuals with autism or other pervasive developmental disorders to the committee. The public members of the IACC will help bring to the discussion the concerns and interests of members of the autism community. Dr. Hyman selected Dr. Kimberly Hoagwood, NIMH Associate Director for Child & Adolescent Research, to assume lead responsibility for forming this committee, as its Executive Secretary. With Dr. Hoagwood's recent departure from NIMH, Ms. Gemma Weiblinger will be the interface between NIMH and committee members.

NIMH Web Site Receives Highest Marks

Commissioned by the California Health Care Foundation, the RAND Corporation study reported in the *Journal of the American Medical Association* last spring found that the NIMH Web site (www.nimh.nih.gov) consistently received the highest marks for accuracy and completeness of its information on depression. It was also ranked as one of the two top high-quality, not-for-profit mental health Web sites in a study conducted by researchers at the Oregon Health Sciences Center.

In addition, child and adolescent mental health information on the NIMH Web site recently was awarded a five-star rating by the Tufts University Child and Family WebGuide. The award letter cited NIMH for providing a substantial amount of applied research information covering a spectrum of mental health topics, including diagnosis, medication treatment, brain functioning, learning disabilities, and ADHD. The letter also acknowledged NIMH for making this information accessible to child development experts, parents, and others who work with children. This information is in a special section of the NIMH Web site, which received more than 7 million hits from consumers last month.

OFFICE OF COMMUNICATIONS AND PUBLIC LIASION (OCPL)

Tom Siegfried, reporter for *The Dallas Morning News*, interviewed Dr. Hyman and referred to a study by Drs. Dennis Charney, Wayne Drevets, and Hussein Manji in an article on depression research in the June 25, 2001, edition.

Erika Hayasaki, reporter for the *Los Angeles Times*, interviewed Dr. Hyman for an article on the July 25, 2001, DMDBA town meeting on AIDS and Families. "NBC Nightly News with Tom Brokaw" also filmed a segment of the meeting for a possible AIDS story.

The Discovery Channel filmed Dr. Sue Swedo, DIRP, for the special "Extreme Conditions: Obsessive Compulsive Disorder (OCD)," shown during August 2001. NIMH grantee Dr. Gerald Neustadt of Johns Hopkins University, who was also in the film, discussed the genetics of OCD.

OCPL developed two new easy-to-read booklets on depression and bipolar disorder. These booklets, entitled "Stories of Depression" and "A Story of Bipolar Disorder," aim to inform people with limited literacy skills (reading at or below an 8th-grade level) about these serious illnesses and to promote effective treatment. The design and content of both booklets were shaped by in-depth interviews with adult learners and a focus-group discussion involving patients. The booklets are an important addition to the spectrum of NIMH public education materials on mood disorders.

1-800 Publications Ordering Lines

The Information Resources and Inquiries Branch (IRIB) has recently entered into an interagency agreement with the Census Bureau's National Processing Center for handling of the NIMH 1-800 Publications Ordering Lines. Live operators fluent in both English and Spanish are answering calls during normal working hours, and a voice mail system is in place for night and weekend calls. Currently, operators are taking orders for depression and anxiety disorders information. The service will be expanded in the future to include other mental disorders.

NIMH Exhibit Program: June 2001—December 2001

OCPL's IRIB, which administers the NIMH exhibit program, provided materials for the following meetings, conferences, and health fairs throughout the country:

Meetings and Conferences

- NIMH Research Roundtable, Washington, DC
- National Conference on Women, Orlando, FL
- Piscataway Tribal Powwow, Waldorf, MD
- National Mental Health Association annual meeting, Washington, DC
- Mattaponi Indian Reservation Powwow, King William, VA
- National Alliance for the Mentally Ill annual meeting, Washington, DC
- Native American Powwow at Yarema's Lake, Maryland Line, MD
- Suicide Prevention Advocacy Network Awareness Event, Washington, DC
- National Medical Association annual convention, Nashville, TN
- National Summit on Safe Motherhood, Atlanta, GA
- National Association of Hispanic Journalists, Phoenix, AZ
- Autism Society of America annual meeting, San Diego, CA
- American Psychological Association annual meeting, San Francisco, CA
- Suicide Prevention Advocacy Network Tool Bag Conference, Atlanta, GA
- Blacks in Government Conference, Los Angeles, CA
- Chickahominy Festival, Charles City, VA
- Society for the Advancement of Chicanos and Native Americans in Science National Conference and Teacher Workshops, Phoenix, AZ
- American Public Health Association, Atlanta, GA
- American Academy of Child and Adolescent Psychiatry, HI
- Society of Neuroscience, San Diego, CA
- Biomedical Research Conference for Minority Students, Orlando, FL
- American Indian Science and Engineering Society, Albuquerque, NM
- FAES Psychopharmacology Seminar, Bethesda, MD
- National Healthy Start Grantee Meeting, Baltimore, MD

Health Fairs

- Department of Housing and Human Development Caregiver Fair, Washington, DC
- Community Forum Family Meeting, Los Angeles, CA
- Black Family Reunion Celebration, Washington, DC
- Home Economics Teachers Project, Consumer Information Center, Pueblo, CO, to 25,000 teachers
- National Depression Screening Day, NIH (7 sites)

The NIMH Constituency Outreach and Education Program's (COEP) work with its Outreach Partners in the 50 States and in the District of Columbia focuses on dissemination of science-based mental health information. Efforts continue to alert Partners to the latest research on anxiety disorders and to encourage minority outreach. Key activities include the following:

- NIMH provided information on PTSD to its New York Partner, MHA of New York City, Inc., following the terrorist attacks on September 11, 2001.
- NIMH took part in the annual meeting of NAMI-PA, the Pennsylvania Partner.
- Dr. Richard Nakamura spoke, and Ms. Elaine Baldwin held a workshop on media relations.
- Dr. Jason Olin presented NIMH research on clinical studies at a meeting of the Nebraska Partner.
- COEP is working to increase the use of the Internet as an outreach/education tool for Partners. For further information about the COEP and Outreach Partners, see <http://www.outreach.nimh.nih.gov/>

OFFICE ON NEUROINFORMATICS (ONI)

The Global Science Forum's Neuroinformatics Working Group (GSF-NI-WG) met in February and May to discuss new national neuroinformatics efforts in each of the 19 participating countries, as well as progress and issues related to the major goal of this working group to provide a sustaining capability and resources for the field of neuroinformatics.

The Human Brain Project (HBP)/Neuroinformatics 2001 Annual Spring Meeting 2 was held on May 21-22. The two themes of the meeting were ontology and genomic research, with special presentations by invited speakers in each of these areas. In addition, there were 12 platform presentations by grantees of the program, as well as 34 electronic demonstrations and posters from grantees and non-grantees of the HBP. The meeting was open to all, with a final attendance of approximately 130 scientists (see <http://www.nimh.nih.gov/neuroinformatics/meeting2001.cfm>).

The ONI supported a joint U.S.-E.U. workshop "Databasing the Brain," on July 1-2 in Oslo, Norway. The meeting brought together 30 speakers and chairs and 35 selected participants from the United States, Europe, and Japan. The primary goal of the workshop was to initiate a discussion about the format of a future knowledge-management system and its implications in terms of data sharing and interdisciplinary collaboration. The second goal was to discuss guidelines for content, organization, quality control, and standards for neuroscience databases. The third goal was to ensure that national and international funding bodies are informed about activities in this newly emerging field. The United States and the European Union joined forces to bring together the first large trans-Atlantic panel to initiate a broader discussion of these issues with leading scientists in the neuroscience and information technology domains (see <http://www.nesys.uio.no/Workshop/>).

A neuroinformatics workshop was held at the 11th International Society of Chromaffin Cell Biology Conference on September 7 in San Diego. "Computing the Chromaffin Cell" was co-organized by Drs. Lee Eiden, DIRP, and Michael Hirsch, ONI, to (1) promote a comprehensive functional proteomics/genomics approach to studying chromaffin cells; (2) initiate plans for establishing a dynamic database to assemble the chromaffin cell transcriptome and proteomes; and (3) assemble a curator/user group selected from the international chromaffin cell research community for advancing bioinformatic analysis of calcium-initiated neurosecretion and gene activation. Proceedings of the workshop will be published as a separate book chapter in *Annals of the New York Academy of Sciences* (see <http://www.nimh.nih.gov/neuroinformatics/compchromaffin.cfm>).

Dr. Stephen Koslow held three small working group meetings to discuss the possibility of establishing a neuroanatomy ontology for the field of neuroscience. A major requirement for the effective operation of Web-based capabilities for sharing and analyzing data is that all of the uniquely created components must interoperate with one another. To accomplish this overarching goal, it will be necessary to have a specific, well-defined neuroscientific terminology and computer language. The intent of this working group is to (1) discuss the need for, and issues related to, creating a common terminology; (2) arrive at a design for the Neuro Ontology; (3) discuss the database requirements; (4) design a process for its creation including mechanisms for broad field involvement; and (5) estimate the timeline and associated cost. The NIMH is also collaborating and receiving guidance and assistance from the National Library of Medicine in developing a proper design, approach, and process toward this goal.

OFFICE FOR SPECIAL POPULATIONS (OSP)

Dr. Mary Blehar was a speaker at the plenary session "Hot Topics in Research in Women's Mental Health and Addiction to Alcohol and Other Drugs" as part of the "Third National Conference on Women: A Generational Journey: Women Carrying the Vision—Common Issues and United Voices." The June conference was organized by SAMHSA with support from several

Federal agencies, including NIMH, the National Institute on Alcohol Abuse and Alcoholism (NIAAA), NIDA, and the NIH Office of Research on Women's Health (ORWH).

Dr. Blehar was a speaker on the panel "Identification and Treatment of Mood Disorders in Women" at the annual meeting of the National Depressive and Manic Depressive Association in August.

On September 27, Dr. Blehar made a presentation on postpartum depression at an issues forum on "Postpartum depression and the African American Mother." The forum, organized by the office of Congressman Bobby L. Rush (D-IL), was held as part of the 31st Annual Congressional Black Caucus Conference in Washington, DC. Dr. Farris Tuma of the Division of Mental Disorders, Behavioral Research and AIDS (DMDBA) was invited by Representative Sheila Jackson-Lee (D-TX) to be a participant in a discussion at the conference on juvenile justice. However, because of the events of September 11, the discussion topic was changed to the trauma and after-effects experienced by youth as a result of the September 11 attacks.

DIVISION OF EXTRAMURAL ACTIVITIES (DEA)

During the past several months, the Institute has published several new Requests for Applications (RFAs), Program Announcements (PAs), Notices (NOTs), and Requests for Proposals (RFPs). (See Appendix, "NIMH Funding Opportunities.")

DIVISION OF MENTAL DISORDERS, BEHAVIORAL RESEARCH AND AIDS (DMDBA)

Meetings/Conferences

On June 21-23, Dr. James Breiling presented on NIMH/NIH research activities concerning problem and pathological gambling at the National Council on Problem Gambling conference in Seattle, Washington.

On June 29, Drs. Christopher Gordon and Wayne Fenton presented "HIV and Serious Mental Illness" at the Whitman-Walker Clinic in Washington, DC.

In June, Dr. Wayne Fenton presented a lecture "Serious Mental Illness in the United States" at the NIH Mini-Medical School Program on the NIH campus in Bethesda. Also in June, Dr. Fenton presented a keynote address "Trends in Mental Health Services" at the Montgomery County, Maryland, chapter of NAMI.

On July 10-11, a jointly sponsored NINDS, National Institute of Aging (NIA), and NIMH workshop entitled "Healthy Aging" was conducted to review large-scale studies examining risk and protective factors for maintaining cognitive and emotional health with aging. A team of extramural scientists, headed by Drs. Marilyn Albert of Harvard University and Kristine Yaffe of the University of California, San Francisco, played a leading role in organizing the workshop; NIH coordinating staff included Drs. Cheryl Kitt from NINDS, Molly Wagster from NIA, and Bruce Cuthbert from NIMH.

On July 16-18, NIMH and the Borderline Personality Disorder Research Foundation co-sponsored a meeting entitled "New Directions in Borderline Personality" at Rockefeller University. The meeting focused on translational research possibilities for borderline personality features and mechanisms for fostering new approaches and research. The NIMH organizing group was led by Drs. James Breiling, Bruce Cuthbert, and Wayne Fenton. NIMH program staff, in conjunction with the Borderline Personality Disorder Research Foundation, are now following up with some 40 junior researchers who attended to facilitate their engagement in this area of research.

On July 30-31, the workshop "Close Relationships: Basic Science and Clinical Translation II" was organized and chaired by Drs. Bruce Cuthbert and Doreen Koretz of DMDBA and Drs. Carolyn Morf and Israel Lederhendler of the Division of Neuroscience and Basic Behavioral Science (DNBBS). This workshop was the second of a 2-part series (the first one took place on March 15-16). An important goal of this workshop was to work towards clarifying the basic psychosocial and biobehavioral processes involved in maintenance, enhancement, and dissolution of adult relationships and to identify areas of translation where basic work on relationships may be applied to clinical disorders notably marked by interpersonal problems (e.g., mood disorders, autism, and borderline and other personality disorders).

On August 3, the Center for Mental Health Research on AIDS sponsored a workshop entitled "HIV Prevention in Treatment Settings: U.S. and International Priorities." Drs. Ellen Stover, Dianne Rausch, and Chris Gordon convened AIDS experts in basic science, behavioral, medical, and policy issues to discuss immediate research needs.

Dr. Peter Muehrer conducted two grant-writing workshops at the Annual Meeting of the American Psychological Association in August. The first workshop focused on comorbid mental and medical disorders, and the second was on adherence to interventions for mental disorders.

On August 24-28, Dr. David Stoff was a discussant for a symposium entitled "Integrating Care—Clients With HIV, Psychiatric, and Substance Abuse Disorders" at the American Psychological Association meeting.

On September 10-11, Drs. Nicolette Borek and Dianne Rausch held a meeting entitled "Pediatric AIDS and Mental Health Issues in the Era of ART," which was co-sponsored by the Center for Mental Health Research on AIDS and the Office of Rare Diseases. The purpose of this meeting was to identify important mental health issues for children and adolescents perinatally infected with HIV in order to develop specific research initiatives that will lead to improving the social, psychological, and psychiatric management of HIV-infected children. Leading researchers and clinicians presented on neurocognitive functioning, pediatric encephalopathy, adherence to treatment, psychosocial adjustment, and comorbid psychiatric disorders.

In October, Dr. Lisa Colpe participated in the Statistics Canada Mental Health Expert meeting, where final versions of the Canadian national survey on mental health were reviewed. This survey has been designed to be very similar to the NIMH-sponsored National Comorbidity Study-Replication (NCS-R) and the WHO World Mental Health 2000 survey initiative.

In October, Dr. Bruce Cuthbert attended the annual conference of the Society for Psychophysiological Research in Montreal, Canada, where he served as discussant in the symposium "Sustained Processing of Affective Information in Individuals with Features of Depression and Anxiety" and presented a session on NIMH funding opportunities.

On November 7, the division took the lead in sponsoring a joint NIMH/American Psychiatric Association (APA) Workshop on Research Training for Psychiatrists. Chaired by Dr. David Kupfer of the University of Pittsburgh, this meeting brought together academic leaders from NIMH, APA, and other scientific and funding organizations with interest and expertise in enhancing the development of academic research training in patient-oriented and translational research for psychiatry trainees and early-career psychiatrists. During this meeting, key stakeholders assessed trends in research training for physicians, reviewed successful training models based on a variety of NIMH support mechanisms, and planned future activities aimed at removing barriers for research training for psychiatrists, with an emphasis on patient-oriented research in the areas of health disparities, child psychiatry, and adult/geriatric psychiatry.

During November, Dr. Fenton presented a keynote address "Serious Mental Illness in the United States" at the symposium "Mind-Brain Research: Essential for Clinical Excellence," sponsored by the Michigan Psychiatric Society. Also in November, Dr. Fenton presented a talk "Physician Training for Clinical Research" at the American Association of Chairs of Departments of Psychiatry meeting in Washington, DC. Finally, in December, Dr. Fenton presented a lecture "Crisis Residential Services in a Community Support System" to the Arlington Service Board in Arlington, Virginia.

In November, Dr. Cuthbert attended the annual conference of the Society for Research in Psychopathology in Madison, Wisconsin. He served as discussant in the symposium "Neurobiology of Affective Disorders." The presentations, along with his commentary, will be written up for publication as a journal special section. He also provided a presentation entitled "NIMH Funding Mechanisms: Tips and Techniques" at the Society luncheon.

Drs. Emeline Otey of DMDBA and George Niederehe of the Division of Services and Intervention Research (DSIR) organized and presented at the symposium "Aging Research Initiatives at the NIMH" at the Gerontological Society of America Annual Scientific Meeting in Chicago in November.

Under the aegis of the Society for Medical Anthropology, Dr. Otey organized and chaired the workshop "Research Career Development Opportunities at the National Institute of Mental Health" at the 2001 Annual Meeting of the American Anthropological Association, Washington, DC, November 28-December 1. She also participated on the panel "Funding Opportunities at the National Institutes of Health."

Dr. Regina Dolan-Sewell presented the plenary address "Translational Research: The NIMH Perspective," at the Annual Meeting of the Eating Disorders Research Society, November 28, in Albuquerque.

In November, division staff participated in the annual meeting of the Association for Advancement of Behavior Therapy (AABT) held in Philadelphia. Dr. Robert Heinssen organized and chaired the symposium "Enhancing Motivational States in Schizophrenia: Cognitive, Behavioral, and Interpersonal Strategies." He delivered one of the presentations, and Dr. Cuthbert served as a discussant. Dr. Heinssen also presented the paper "Increasing Goal-directed Behaviors in Schizophrenia: The

Impact of Therapeutic Contracting Procedures" at the meeting. Dr. Gordon chaired a symposium of NIMH-funded researchers that highlighted the development and initial testing of innovative HIV treatment-adherence interventions.

Publications

After 4 years in development, the groundbreaking report "Taking Stock of Risk Factors for Child/Youth Externalizing Behavior Problems" is in print (NIH Publication No. 02-4938, November 2001) and will soon be available as a pdf file for downloading from the NIMH Web site. The report, edited by Drs. Della Hann and Nicolette Borek, provides "a summary of expert consensus and evaluation of what is currently known about the factors and processes that contribute to the initiation, enhancement, prevention, and termination of conduct problems in children and youth." Such problems include "physical and verbal aggression, defiance, lying, stealing, truancy, delinquency, physical cruelty, and criminal acts." To develop the report, leading research experts were convened to summarize the risk factors and processes in four primary risk domains: (1) child characteristics; (2) family factors and processes; (3) peer influences; and (4) the broader social environment, communities, and schools. The report has already formed an important resource for "Youth Violence: A Report of the Surgeon General" and is expected to serve the broader research field as well.

The report "Qualitative Methods in Health Research: Opportunities and Considerations in Application and Review" (NIH Publication No. 02-5046, December 2001) was recently made available. Copies can also be obtained at <http://obssr.od.nih.gov/Publications/Qualitative.PDF>. The report is the outcome of a workshop, "Qualitative Methods in Health Research: Opportunities and Considerations in Application and Review," sponsored by the Office of Behavioral and Social Sciences Research and organized by the NIH Culture and Qualitative Research Interest Group. The workshop was supported by NIMH and NIAAA. The document is intended to assist investigators using qualitative methods in thinking about qualitative research issues to be addressed in studies proposed for NIH funding. While the perspective is on qualitative research, many of the general issues discussed apply to both qualitative and quantitative methodologies.

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DIVISION OF NEUROSCIENCE AND BASIC BEHAVIORAL SCIENCE (DNBBS)

Workshops/Meetings

A joint meeting of the Mouse Neuroscience Steering Committee and the External Steering Committee, two committees that oversee the scientific activities conducted under cooperative agreements for large-scale mouse mutagenesis and phenotyping projects funded under MH-99-007 and HD-99-007, was held in May. It brought together project principal investigators, external scientific advisors, and program staff from 13 NIH institutes to discuss issues of broad relevance to the mouse neuroscience and developmental community. These issues included phenotyping, bioinformatics, and distribution of unique research resources to the scientific community.

Dr. Israel Lederhendler organized and chaired a symposium at the 2001 Annual Meeting of the Associated Professional Sleep Societies in June. The purpose of the symposium "The Neurobiology of Stress and Adaptations to Stress: There's No Sleeping on It" was to provide basic and leading-edge information on stress research related to issues in sleep research.

A workshop "Linking Behavioral and Neural Development for Mental Health," held on July 10-11, was organized by Dr. Mary Ellen Oliveri. The goal was to discuss the latest research findings and most pressing research questions related to integrating knowledge of behavioral/psychological development with that of neural development. Participants represented a range of specialties, including substantive foci on cognitive, affective, and social development; animal as well as human approaches; and neuroanatomical, neuroendocrine, electrophysiological, and imaging methods. Issues highlighted by the discussions included bi-directional influences between brain and behavior, the mechanisms and limits of plasticity, and the salience of social-contextual influences in development.

A workshop on "Data Archiving for Animal Cognition Research" was held on July 19-20 in Washington, DC. The workshop was co-chaired by Drs. Howard Kurtzman, NIMH, and Russell Church of Brown University. Participants included researchers, scientific society officials, representatives of the library and publishing communities, legal experts, and Government officials.

On July 23, the DNBBS Research Training and Career Development Program, together with the Clinical Neuroscience Branch, hosted a Mentored Clinical Neuroscience Research Career Development Workshop on the NIH campus. Sixty DNBBS-supported, mentored-K clinical research investigators were invited to participate in the workshop. The primary objectives of this meeting were to: (1) discuss the critical steps to successfully transition from mentored to independent investigator status; (2) provide the most current information about DNBBS's research initiatives and support mechanisms; (3) provide updated information regarding the use of human subjects in clinical research; and (4) provide NIMH-mentored career development awardees with an opportunity to interact one-on-one with NIMH/NIH staff to obtain individualized programmatic guidance. The keynote speaker, Council member Dr. Charles Nemeroff from Emory University, presented on the importance of clinical research and provided outstanding advice on how to prepare for the transition from mentored to independent investigator status. Dr. Kelly Botteron from Washington University presented her research work and discussed how she made the successful transition from an NIMH K08 to an R01 award. In addition, representatives from NIMH grants management and review staff and Drs. David Shore, NIMH, Brent Stanfield, Center for Scientific Review (CSR), and Wally Schaffer, NIH, were available during the panel discussions to answer questions posed by the investigators.

The Clinical Neuroscience Research Branch sponsored a workshop on August 13 to address the alarming dearth of physicians pursuing careers as clinician-scientists in mental health research. Eleven distinguished senior investigators representing Conte Center directors, psychiatry department chairs, current and former Council members, and DIRP participated. A series of issues concerning the student and physician "pipeline" from high school through residency training were discussed, and a series of recommendations were developed. This workshop represented the first of several NIMH activities that are a direct result of presentations to, and discussions with, the Council at its January 2001 meeting.

Dr. Lederhendler co-organized a workshop "Neurobiology of Sleep and Waking: Implications for Insomnia," which convened September 10-11 in Bethesda, Maryland. The workshop, an activity of the trans-NIH Sleep Research Coordinating Committee, was co-sponsored by the National Center on Sleep Disorders Research and the National Heart, Lung, and Blood Institute (NHLBI) together with NIMH, NIA, NIAAA, and NIDA.

Dr. Lederhendler chaired the Public Health Working Group at the "Scientific Workshop on Public Health Surveillance for Morbidity and Mortality Associated with Inadequate Sleep" on September 24-25 in Washington, DC. The meeting was sponsored by the National Sleep Foundation; the Centers for Disease Control and Prevention; the National Institute for Occupational Safety and Health; and the Federal Railroad Administration.

Dr. Steven Moldin organized a workshop co-sponsored by NIMH's Office of Prevention entitled "Collaborative Genetic Research On Mental Disorders In Latin America" that was held at the University of Texas Health Science Center in San Antonio in September. The workshop was chaired by Dr. Michael Escamilla and focused on developing collaborative networks

among Latin American and U.S. clinicians and geneticists for genetics research on mental disorders. Clinicians and geneticists from the United States and eight Latin American countries discussed key topics related to collaborative genetics research that included study design; cross-cultural assessment/diagnosis; family recruitment; molecular/statistical analyses; and regulatory, ethical, legal, and social issues. Other important topics discussed included the need for training/education opportunities and research infrastructure in Latin America and the role that industry could play in collaborative genetic research.

Drs. Moldin and Hemin Chin moderated an invited scientific session entitled "Functional Genetics of the Nervous System" at the 51st annual meeting of the American Society of Human Genetics in San Diego on October 14. The goal of this session was to present a concise overview of the accumulated knowledge on gene function and expression in the most exciting areas of neurogenetics that has been gathered using model mammalian systems. Topics included post-genomic approaches to identifying brain wiring mechanisms; the neurobiology of circadian rhythms; social feeding in *C. Elegans*; the molecular organization and function of brain dystroglycan; and the functional genetics of sleep neuropathologies.

The workshop "Future Opportunities in Developmental Neuroscience at NIMH," organized by Dr. Beth-Anne Sieber, was held in Bethesda on October 15-16. Moderated by Drs. Sieber and Pat Levitt of the University of Pittsburgh, this workshop convened a panel of leading junior and senior investigators, with expertise ranging across cellular, systems, and behavioral neuroscience, to evaluate the current developmental neurobiology grants portfolio. A report is currently being prepared and will be posted on the NIMH Web site.

Dr. Dennis Glanzman organized the Ninth Annual Dynamical Neuroscience Satellite Symposium of the Annual Meeting of the Society for Neuroscience (SFN), held November 9-10, in San Diego, California. His co-organizers were Drs. David Kleinfeld, University of California, San Diego; Sebastian Seung, Massachusetts Institute of Technology; and Misha Tsodyks, Weizmann Institute, Jerusalem, Israel. The focus of this year's meeting was "Dynamical Neuroscience IX: Timing, Persistence and Feedback Control."

Dr. Chin also organized a scientific symposium entitled "The Dissection of Nervous System Diseases in the Post-Genomic World" at the SFN annual meeting. The purpose of this symposium was to present an overview of the rapidly accumulating knowledge on genetic bases of nervous system diseases that has been gathered using model mammalian systems by successfully applying state-of-the-art molecular and genetic techniques to study the function, expression, and regulation of genes affecting normal physiological and pathophysiologic processes in neural tissues. Topics included the molecular analysis of trinucleotide repeat diseases; the modeling of human neurogenetic diseases in mice; the molecular organization of brain dystroglycan; and the development and aging of the mouse cerebellum.

The DNBBS Research Training and Career Development Office hosted a meeting of NIMH- and NINDS-supported predoctoral fellows, Minority Fellowship Program trainees, and M.D./Ph.D. students during the SFN meeting. The primary goals of this gathering were to provide an opportunity for fellows to meet one-on-one with NIMH/NINDS staff to discuss their individual research and training experiences and to have staff illustrate the role the institutes can play in furthering their research and career objectives. In addition, the DNBBS Research Training and Career Development Program participated in an NIH/NSF-sponsored training and career development workshop during the annual society meeting.

Dr. Lederhendler convened a workshop "Perspectives on the Role of Sleep in Memory" in December at the NIH campus. The workshop covered recent advances, opportunities, and potential pitfalls in this newly emerging research area.

Dr. Lederhendler addressed the annual meeting of the Federation of Behavioral, Psychological, and Cognitive Sciences, on December 8 in Washington, DC. The topic of his talk was "Future Research Directions for Integrating Integrative Neuroscience with the Social and Behavioral Sciences."

Neuroimaging Informatics Technology Initiative (NifTI)

Dr. Michael Huerta publicly launched NifTI, after 2 years of development, at the SFN meeting. This initiative will work closely with the research community and will use an array of mechanisms to support targeted and coordinated service, training, and research to enhance the use and speed the development of informatics tools for neuroimaging. NINDS and NIMH are joint sponsors of NifTI, and other NIH institutes and centers are expected to participate in various NifTI activities.

Genetics Update

NIMH Activities in Mouse Genetics and Genomics

NIMH co-sponsored the RFA DA-01-001, "Tools for Insertional Mutagenesis in the Mouse," with nine other NIH institutes. The purpose of the RFA is to provide support for developing tools and techniques to establish random and targeted sequence-tagged insertion libraries of embryonic stem (ES) cells that can be used to generate mutant mice in which the expression of the tagged gene could be controlled temporally and spatially. The development of such a resource for wide distribution to the scientific community would make it possible to scan the sequence database for any gene of interest and order the corresponding targeted ES cell line. NIMH plans to fund a project to develop optimal gene trap vector designs and methods for the large-scale functional analysis of genes in mice. Various experimental strategies will be employed to isolate highly germline-competent, feeder-independent ES cells from the C57BL6 strain of mice and to construct universal gene trap vectors capable of targeting all classes of genes. The technology developed in this proposal will have wide applications to almost all areas of mammalian biology and will complement and extend other strategies in mice.

NIMH also funded supplements to eight projects received in response to solicitation NOT-DC-01-005, "Administrative Supplements to Create Targeted Mouse Mutants." The purpose of the solicitation is to support NIMH-funded projects for which targeted mouse mutants will provide additional data to significantly enhance the parent grant's specific aims. The funded supplemental projects will focus on targeted mutations in genes encoding neuronal PAS domain proteins, neurophilins and the molecular basis of repulsive guidance; factors regulating limbic system assembly; neurodegeneration and tremor resulting from under-expression of a ubiquitous phosphatidylinositol transfer protein; transcriptional mechanisms of TH and DBH gene expression; generation of conditional knock-out mice that lack a restricted transcription factor only in a subpopulation of forebrain progenitor cells; conditional mutations in GABAA receptor genes; and startle gating and locomotion in D2 family knock-out mice.

Brain Molecular Anatomy Project (BMAP)

A contract was awarded in September 2001 to the University of Iowa, M. Bento Soares, Principal Investigator, for the discovery of novel genes expressed in the developing mouse nervous system. This contract requires the production of high-quality, representative full-length cDNA libraries from specific anatomical regions of the mouse nervous system at different developmental stages to identify and discover those genes whose expressions are restricted spatially and temporally during development. The primary requirements are: (1) preparation and isolation of high-quality RNA using improved and/or new technologies for the purpose of generating cDNA libraries from the developing mouse nervous system; (2) preparation of high-quality representative cDNA libraries that are enriched in full-length clones using state-of-the-art techniques; (3) utilization of high-throughput sequencing to assess the quality of the cDNA libraries and determination of their full coding sequence; (4) dissemination of data; and (5) storage and distribution of biological materials.

Public Outreach Activities

Dr. Dennis Glanzman organized four public education events held at the Smithsonian Institution during the fall of 2001, including:

- After-Hours Exhibition Tour and Reception associated with the new Smithsonian Brain exhibit ("Brain: The World Inside Your Head"). Dr. Glanzman consulted on the development of the exhibit itself. This tour featured remarks by Dr. Steve Foote and a question and answer session attended by Dr. Alan Leshner, who was at that time NIDA Director; Dr. Gerald Fischbach, Dean, Medical College at Columbia University, and former NINDS director; and Dr. Richard Nakamura, who was at that time NIMH Deputy Director.
- Smithsonian Seminar: Brain Disconnections. In this seminar, Drs. Gerald Fischbach and Richard Nakamura discussed how the latest scientific research is opening the door to providing effective treatments for neurological and psychiatric disorders.
- Storm Center: The Brain on Drugs. Drs. Alan Leshner and Nora Volkow, Associate Director for Life Sciences at Brookhaven National Laboratory and a member of the National Academy of Sciences, discussed the long-term effects of drug abuse and how the brain can be permanently altered by its exposure to drugs.
- Treating the Troubled Mind. Drs. Steven Hyman and Dennis Charney explored the history and treatment of psychiatric disorders and explained how neuroscience research is leading to new effective treatments for psychiatric illness.

Staff Publications

Mischel, W. & Morf, C.C. The Self as a Psycho-Social Dynamic Processing System: A Meta-Perspective on a Century of the

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Morf, C. & Mischel, E. (Eds). Special Issue, "Self-Concept, Self-Regulation, and Psychological Vulnerability" for *Self and Identity*, in press.

Moldin, S.O. & Chin, H.R. (Eds). *Methods in Genomic Neuroscience*, a volume in Methods & New Frontiers in Neuroscience Series, CRC Press, 2001 (see: <http://www.crcpress.com/us/product.asp?sku=2397&dept%5Fid=1>).

DIVISION OF SERVICES AND INTERVENTION RESEARCH (DSIR)

Workshops/Meetings

Dr. Carmen Moten convened the NIMH panel "Mental Health in Rural America: Issues and Strategies" at the Annual Conference of the National Rural Health Association in Dallas, Texas, in May. This panel focused on some of the most critical issues relating to mental health services research in rural and underserved areas.

In May, Dr. Moten conducted the workshop "Mental Health Care for Elders in Rural America: How Research is Helping" at the dedication ceremony of the Mary Starke Harper Geriatric Psychiatry Center in Tuscaloosa, Alabama. The workshop generated ideas for future research and development to advance mental health services research in rural populations at risk, especially the vulnerable elderly.

The NIMH workshop "State of the Science of Relapse Prevention in Major Depression," led by Dr. Jane Pearson, was held in May. Participants considered whether current definitions of treatment outcomes were adequate; the variation in the epidemiology of depression relapse in specialty and primary care; particular subpopulations at risk (by age groups, depression history, family history, comorbid conditions); and characteristics of the most effective approaches to relapse prevention (sequencing of treatment modalities, stepped-care). There are a number of combined and sequenced treatments with proven efficacy that address different phases of depression. Future intervention efforts would benefit from including treatments designed to reduce specific risks and comorbidities, such as personality disorder and sequelae of abuse. Efforts to identify opportunities to expand knowledge of risk and intervention effectiveness through integrating basic research included brain imaging to identify those at risk for relapse and the most potent treatments and social psychological approaches to message-framing to encourage adherence. Approaches to testing cost-effectiveness and strategies for designing studies to prevent relapse without controlled acute trials (those that could be embedded in current health care systems) were considered. There is a critical need to design community-based studies that actively involve ethnic minority research participants in both acute treatment and relapse prevention trials. The workshop summary for the NIMH Web page is currently being drafted.

The 41st Annual New Clinical Drug Evaluation Unit (NCDEU) meeting was held in Phoenix on May 28-31. More than 1,200 individuals involved with clinical intervention and related services research in academia, the pharmaceutical industry, and Government (predominantly NIH and FDA) attended the first NCDEU meeting ever held in the western part of the country. For 3 1/2 days, under an overall theme of "Scientific Advances and the Future of Interventions Research," a variety of workshops, panels, and poster presentations emphasized the development of new treatments and the expansion of existing interventions to treat new indications and expanded populations. Planning for the 42nd annual NCDEU meeting, to be held June 10-13, 2002, in Boca Raton, Florida, is currently underway. The meeting theme will be "Rational Pharmacotherapy: New Treatments, Combination Approaches, and Augmentation Strategies."

Dr. Agnes Rupp organized a presentation by DSIR staff on "Future Directions in Mental Health Services Research" for the Second Annual NIMH/National Research Service Award (NRSA) Mental Health and Services Research Trainees Meeting held jointly with the Annual Research Meeting of the Academy of Health Services Research and Health Policy in June.

The workshop "Ethical Issues in Including Suicidal Individuals in Clinical Research," led by Dr. Pearson and co-sponsored by NIMH, the American Foundation for Suicide Prevention, and the NIH Office of Rare Diseases, was held on June 7-8. There is

limited research on effective treatments for suicidal individuals, as historically, those assumed to be at risk for suicide have been excluded from Federal- and industry-sponsored treatment trials. While participants agreed that suicidal individuals deserved to be in clinical trials to test treatments to reduce their suicidality, the degree to which general risks and benefits could be weighed were somewhat different from research approaches with severe mental disorders or from research involving terminal illness. The difference seemed to be the challenge posed by the unpredictable course of suicide risk (difficulty in determining imminent or serious risk), rather than the inevitable fatal course of a disease. A second challenge identified was that neither competency among individuals at risk for suicidality nor perceptions by individuals and family members about approaches to treatment and risk management have been directly assessed in clinical trials. A third challenge is the use of treatment as usual (TAU) as a comparison, where additional safety monitoring often raises practice standards and can limit the difference in effectiveness between the active and TAU conditions. While such challenges are significant, participants were able to articulate ways of addressing safety and ethical issues. Participants agreed that research including suicidal individuals in clinical trials must proceed with adequate risk management and monitoring and that investigators should consider additional precautions to preserve the ethical balance of risk and benefit (e.g., data safety monitoring boards, limits to confidentiality, and greater involvement by family members). Initial review groups and Institutional Review Boards (IRBs) need to be informed of these approaches in order to improve safety and science simultaneously. A summary of the workshop is being prepared for the NIMH Web page, and a separate summary will also be submitted to the IRB journal.

Dr. Junius Gonzales organized and chaired the session "Adopting, Diffusing, Disseminating and Implementing: New Tasks for Mental Health Services Research" at the Annual Research Meeting of the Academy of Health Services Research and Health Policy in Atlanta on June 11.

As an initial step in an overall effort to bolster the NIMH research portfolio in bipolar disorder, a workshop "Methodology in Bipolar Disorder Research: The Search for Gold Standards" was organized by Drs. Matthew Rudorfer, NIMH, and Ellen Frank, University of Pittsburgh. This 1/2-day workshop, timed to coincide with an international conference on bipolar disorder, brought together some 30 clinical investigators from academia and several pharmaceutical companies along with NIMH program and review staff. Several principal investigators and trainees participating in the NIMH Systematic Treatment Enhancement Program for Bipolar Disorder (STEP-BD) trial were among those attending. The purpose of this workshop was to discuss current issues in designing optimal methodology in bipolar disorder research and their implications for the peer review process. The afternoon began with a review of the status of bipolar disorder research at NIMH. A series of brief presentations then highlighted the methodologic challenges in a number of areas of bipolar disorder research. These range from the complexity of the illness and difficulty in establishing a true baseline condition to the unique niche of bipolar depression and the special needs of the many (perhaps a majority) patients with bipolar disorder comorbid with other conditions, including pregnancy, anxiety disorders, and substance abuse. There is more experience in the field with acute treatment trials, yet bipolar disorder requires a longitudinal perspective, generating questions still not completely answered, e.g., appropriate length of an antidepressant trial in bipolar depression; best outcome measures; relationship of industry to NIMH- (or foundation-) supported studies; and the role and methodology of psychosocial interventions. Other research questions that have not received adequate attention involve treatment adherence and management of comorbid physical health conditions.

The division co-sponsored a workshop with the MacArthur Foundation entitled "Future Research on Mental Health Courts and Other Jail Diversion Strategies: Setting an Agenda/Building Partnerships" on June 21-22 in Washington, DC. Ms. Denise Juliano-Bult was the lead staff person for this event.

The workshop "Neurocognitive Outcome Measures in 21st Century Clinical Trials: Advancing the Translation of Clinical Neuroscience" was held in collaboration with staff of DNBBS and DMDBA on June 25-26. The goal of this workshop, led by Dr. Jason Olin, was to propel researchers to develop cognitive outcome measures that are based on cognitive neuroscience, rather than to rely on outdated traditional clinical tests. Participants included basic scientists, translational researchers, and clinical trialists from academia and industry. Participants discussed a variety of field development activities (meetings, panels, and editorials), including the possibility of a PA focused on this initiative.

Ms. Juliano-Bult was the lead staff person in the division-sponsored workshop entitled "New Directions in Homelessness Research among People with Mental Illness" on June 28-29. The meeting included presenters sponsored by NIDA and by the DMDBA Center for Mental Health Research on AIDS. Participants included representatives from the Office of the Assistant Secretary for Planning and Evaluation, SAMHSA, NIDA, NIAAA, NAMI, the National Mental Health Association, and homeless services providers.

Dr. Junius Gonzales presented a discussion on "Voting with Their Feet: Exit Decisions and Racial Differences" at the Latino Mental Health Research Meeting in San Juan on July 2.

On July 9-10, DSIR, OSP, and DMDBA co-sponsored a meeting on "Research Approaches to Early Treatment and Prevention

of Mental Disorders for Minority Children and Adolescents." This meeting examined the state of the science in minority child and adolescent treatment and preventive intervention research in the following areas: mental health disparities; testing culturally competent models of intervention; research approaches and methodological issues related to adapting programs for minority youth; comorbidity; engaging youth, family and community in the research process; ethical considerations; and cost-effectiveness. Two panels included community representatives who were collaborating with the researchers to develop appropriate programs, services, and outreach activities for their communities. Senior and junior researchers (minority supplements, T32 trainees, K awardees, new R investigators) were included on the panels and in the discussion group. In addition, a young investigators meeting was held on the second day to review funding mechanisms and allow them to meet with program staff.

The division hosted a workshop entitled "Mental Health Aspects of Fragile X Syndrome: Treatment Research Perspectives" on November 16-17. Leading scientists in the field and consumer representatives participated with the goal of integrating current basic and clinical research with the development of specific treatments for the cognitive, emotional, and behavioral problems associated with Fragile X syndrome.

NIMH co-sponsored, together with NINDS, NICHD, and the Kennedy Foundation, a 3-day workshop "Emotional and Behavioral Health in Persons with Mental Retardation/ Developmental Disabilities: Research Challenges and Opportunities," on November 29-December 1. The meeting gathered experts in epidemiology, developmental psychopathology, neuroscience, treatment, and services research to discuss how to expand mental health research relevant to people with mental retardation. Mental retardation is typically listed among the exclusion criteria in research protocols. The workshop discussed possible ways of increasing the participation of individuals with mental retardation in research studies. The current dearth of researchers with an interest in mental retardation was identified as a major obstacle to research in this area.

Drs. Jason Olin and Barry Lebowitz were lead developers of a virtual workshop to develop consensus-based diagnostic criteria defining the depressive syndrome that often accompanies Alzheimer's disease (AD). The criteria, along with an accompanying literature review, are scheduled for publication in the *American Journal of Geriatric Psychiatry*. These criteria, along with those already published for psychosis of AD and those under development for sleep disturbance and circadian disruption associated with AD, will be used in the development and targeting of treatment approaches.

Clinical Trials

The DSIR contract-supported clinical trials are proceeding on schedule. Web sites for each of the trials are accessible through the NIMH Web site: www.nimh.nih.gov/studies/index.cfm.

- The bipolar trial (STEP-BD) has enrolled 1,754 subjects in the expert care part of the study as of January 2, 2002. Special funding has been received from the newly established NIH National Center on Minority Health and Health Disparities to establish a new clinical site at Howard University Hospital in Washington, DC. The first descriptive data from the patient registry were presented at NCDEU and the Fourth International Conference on Bipolar Disorder in Pittsburgh.
- Recruitment for the antipsychotics trial in schizophrenia and Alzheimer's disease (CATIE) is on schedule, with approximately one-third of the total expected subjects having been entered to date. The schizophrenia protocol has been modified to include the new drug ziprasidone, first made available in March 2001. Design papers have been prepared for both protocols and are in press: schizophrenia in the *Schizophrenia Bulletin* and Alzheimer's disease in the *American Journal of Geriatric Psychiatry*.
- The treatment-resistant depression trial (STAR*D) began entering subjects in the fall. Recruitment has now completed the staged ramp-up phase, and 225 subjects have been entered. A methodology paper on the equipoise randomization strategy was published in the November issue of *Biological Psychiatry*, and a paper on the clinical rationale for the trial is in press in *Drug Therapy*.
- The Treatment for Adolescents with Depression Study (TADS) has continued recruitment in this trial that tests the efficacy of different treatment modalities (pharmacological, psychosocial, or combined treatment) for adolescents with unipolar major depressive disorder. At the end of December, 203 subjects had been randomized.
- The controlled efficacy and safety study of risperidone in children with autism, which is part of the activities of the Research Units on Pediatric Psychopharmacology (RUPP) network, has been completed, and the primary report is under peer review for publication. A new protocol to study methylphenidate and guanfacine in autism began in

September.

NIMH PERSONNEL

Office of the Director (OD)

Former NIMH Director, Dr. Steven Hyman, has returned to Harvard University as Provost. In this post, Dr. Hyman will help shape academics and policy at the university, where he once served as professor and director of research for the Department of Psychiatry at Massachusetts General Hospital.

Dr. Richard Nakamura, former NIMH Deputy Director, recently was named as NIMH Acting Director, having served since 1997 as Deputy Director under Dr. Hyman. Dr. Nakamura first came to NIMH in 1976 as a postdoctoral fellow in the intramural Laboratory of Neuropsychology, where he conducted behavioral and physiological studies in non-human primates to understand cognitive processing in the brain. He moved to NIMH headquarters in 1986, serving as chief of behavioral and integrative neuroscience in the early 1990s and later as director of science policy and program planning.

Dr. Wayne Fenton has been appointed NIMH Acting Deputy Director. A research psychiatrist, he has been serving as Deputy Director for Clinical Affairs, DMDBA, since joining the Institute in 1999. Dr. Fenton has conducted clinical trials of pharmacological and psychosocial interventions for schizophrenia. He also serves as Deputy Editor of *Schizophrenia Bulletin*. He has served as a consultant to the Department of Justice, Civil Rights Division, and as the NIMH liaison to the American Psychiatric Association and to the World Psychiatric Association.

Dr. Ernest Marquez recently joined NIMH as the Associate Director, Office of Special Populations. Prior to coming to NIMH, Dr. Marquez was the Chief, Minority Biomedical Research Support Branch at the National Institute of General Medical Sciences. He received his Ph.D. in microbiology from the University of Southern California School of Medicine, has spent a number of years in academia, and continues to be a lecturer at the Johns Hopkins University in the Biotechnology Program.

Mr. Robert Dennis, Associate Director for Administration in the DIRP, retired on January 2, 2002. Mr. Dennis began his Federal career in 1970, serving the Office of the Secretary, the Office of the Assistant Secretary for Health, and the Alcohol, Drug Abuse, and Mental Health Administration, as well as NIMH, during his long career. Combined with his military service, he devoted more than 35 years to the Federal Government.

Dr. Kimberly Hoagwood has left NIMH for dual appointments as professor at Columbia University and as Director of Child Mental Health Research at the New York State Office of Mental Health. Dr. Hoagwood was Chair of the NIMH Child Consortium and Associate Director for Child and Adolescent Research. In this role, she most recently worked closely with the Child Council Workgroup on Intervention Development and Deployment, which developed the report "Blueprint for Change: Research on Child and Adolescent Mental Health," found at <http://www.nimh.nih.gov/childhp/councildesc.cfm>. She joined NIMH in 1991, working in the child and adolescent mental health treatment and services research areas.

Ms. Pamela Shell joined the OD as a Health Science Program Specialist. She will be working with Dr. David Shore on clinical research issues involving bioethics, informed consent, and other human subject protections. She also will be serving as Scientific Administrator of the Data and Safety Monitoring Board and the Human Subjects Research Council Workgroup. Ms. Shell is a registered nurse with a Master of Nursing degree and has more than 25 years of clinical experience, most recently at the Chestnut Lodge hospital in Rockville.

Dr. Carolyn Strete departed NIMH on October 1 to assume the role of Branch Chief for the Cancer Training Branch at the National Cancer Institute (NCI), where she will be responsible for a budget of approximately \$100 million.

Division of Extramural Activities (DEA)

Mr. Brian Albertini recently joined the Grants Management Branch (GMB) as the Supervisory Team Leader for the Grants Management Specialists assigned to the applications and grants management-related responsibilities associated with the DMDBA. He previously served as a Lead Grants Management Specialist at the NCI.

Ms. Leslie Boggs, a Senior Grants Management Specialist, recently joined the staff of the GMB and will be a member of

the DMDBA team. She previously served at the NHLBI.

Dr. Irina Gordienko, on detail in the Extramural Review Branch since May 2001, accepted a position in the Review Branch of the NHLBI.

Ms. Carmen Herbert, who previously worked at the NCRR, joined the GMB as a Senior Grants Management Specialist who will work on the DNBBS team.

Ms. Carol Robinson joined the GMB in July as the Supervisory Team Leader for the Grants Management Specialists assigned to the DNBBS. She previously served as a Senior Grants Management Specialist at the NHLBI.

Division of Mental Disorders, Behavioral Research and AIDS (DMDBA)

Dr. Mark Chavez joined the Office of the Director, DMDBA, as Associate Director for Research Training in October. He brings to his position extensive experience in the training arena, having served since July 2000 as a program officer in the Office of Research Training and Career Development, Division of Neuroscience and Basic Behavioral Science. Dr. Chavez, who received his doctoral degree in physiological psychology in 1995 from the Department of Psychology at the University of Washington in Seattle, replaces Dr. Della Hann, who has moved to NIH as a Senior Policy Advisor in the Office of the Director.

Division of Neuroscience and Basic Behavioral Science (DNBBS)

Dr. Kathleen Anderson has joined the Behavioral and Integrative Neuroscience Research Branch as Chief of the Cognitive Neuroscience Program. She earned her Ph.D. in neuroscience from Rutgers University. Before joining NIMH, Dr. Anderson was in the Department of Brain and Cognitive Science at MIT, where her research focused on mechanisms of memory and attention in the prefrontal and parietal cortices of non-human primates. Her varied interests in cognitive neuroscience have led to her involvement in collaborative studies of both human memory disorders and computational techniques for the analysis of multiple, simultaneously recorded neurons.

Dr. Margaret Grabb has joined the Office of Translational Research and Scientific Technology, DNBBS, as Chief of the Small Business Innovation Research Program and the Small Business Technology Transfer Program. She earned her Ph.D. in physiology from the State University of New York at Buffalo. Before joining NIMH, Dr. Grabb was a Senior Scientist in the laboratory of Dr. Dennis Choi in the Department of Neurology at Washington University School of Medicine. Dr. Grabb has most recently studied molecular and pharmacologic mechanisms underlying cerebral preconditioning, which is the state of neural protection induced by ischemia. Her research resulted in the first demonstration that NMDA receptor stimulation is necessary and sufficient to trigger preconditioning and that GABAergic systems are involved in this important mechanism of neural protection.

Division of Services and Intervention Research (DSIR)

Dr. David Chambers joined the Services Research and Clinical Epidemiology Branch to work in the Dissemination Research Program. His work has focused on how change occurs in clinical practice, how diffusion of innovations occurs, and how barriers and facilitators to improving evidence-based practice may occur. Dr. Chambers was a member of a research team that evaluated a large U.K. national endeavor—Promoting Action towards Clinical Effectiveness—to translate research findings into medical practice. Dr. Chambers also worked on the Welsh National Demonstration Projects Evaluation, involving six sites examining influences on evidence-based change. Dr. Chambers was a case study researcher for Virgin Atlantic Fast Track 100 where he interviewed CEOs of major companies and corporations for a report on comparative advantages for successful growth. This work was in cooperation with *The Times* of London and Price Waterhouse Coopers. Dr. Chambers received his A.B. in economics from Brown University and his M.Sc. and Ph.D. in organizational behavior and management sciences from the University of Oxford.

APPENDIX NIMH FUNDING OPPORTUNITIES

Requests for Applications (RFAs) (see <http://www.nimh.nih.gov/grants/rfa.cfm>)

MH-01-002—Research on Depression Comorbid With Externalizing Problems in Children
MH-01-003—Communications and HIV/STD Prevention

MH-01-004—International Initiatives to Prevent HIV/STD Infection
 MH-01-005—Developing Translational Research in Behavioral Science
 MH-01-007—Neurocognitive, Neuroimaging, and Neuropsychiatric Correlates of HIV Infection
 MH-01-010—Development of Innovative Approaches to Autism
 MH-01-012—Interdisciplinary Research Networks on ADHD
 MH-02-001—Autism Research Centers of Excellence: The STAART Program
 MH-02-002—Research Units on Pediatric Psychopharmacology and Psychosocial Interventions (RUPP-PI)
 MH-02-003—Development of PET and SPECT Ligands For Brain Imaging (Phased Innovation Award)
 MH-02-004—Exploratory/Developmental Grants in Social Neuroscience
 MH-02-005—Validation of Child Mental Health Diagnostic Measures
 MH-02-006—Structural Interventions to Prevent HIV/STD Infection
 MH-02-007—HIV/STD Prevention Programs for Adolescents
 MH-02-008—Characterizing, Validating, and Comparing Neuroimaging Informatics Tools
 MH-02-009—Modular Phenotyping for Major Mental Disorders
 MH-02-011—Child and Adolescent Interdisciplinary Research Networks
 AG-01-004—Planning Grants for HIV/AIDS Prevention and Treatment Intervention in Middle-Aged and Older Populations
 AT-01-002—Complementary/Alternative Medicine (CAM) at the end of Life for Cancer and/or HIV/AIDS
 AT-02-001—The Placebo Effect in Clinical Practice
 AT-02-002—Elucidation Of The Underlying Mechanisms of Placebo Effect
 DK-02-009—Depression and Mental Disorders in Diabetes, Renal Disease, and Obesity/Eating Disorders
 HD-01-002—The Influence of Gender on HIV Risk
 HD-02-003—Partnerships for HIV/AIDS Research in African Populations
 HL-01-006—Sleep and Sleep Disorders in Children
 NS-01-007—Functional MRI and Intervention for Cognitive Deficits After Traumatic Brain Injury
 NS-02-001—Microarray Centers for Research on the Nervous System
 NS-02-002—Gene Discovery for Neurological and Neurobehavioral Disorders
 NS-02-006—R21 Fast Track Grants for Parkinson's Disease Research
 NS-02-009—Cognitive Neuroimaging: Understanding the Link Between Neuronal Activity and Functional Imaging Signals
 OD-02-001—Building Interdisciplinary Research Careers in Women's Health
 TW-01-001—International Studies on Health and Economic Development
 TW-02-001—International Collaborative Genetics Research Training Program
 TW-02-005—International Tobacco and Health Research and Capacity Building Program

Program Announcements (PAs) (see <http://www.nimh.nih.gov/grants/pamenu.cfm>)

PAR-01-027—Translational Research Centers in Behavioral Science
 PAR-01-029—NIMH Minority Research Infrastructure Support Program (R24)
 PAR-02-010—Bioengineering Research Partnerships
 PAR-02-017—Jointly Sponsored NIH Predoctoral Training Program in the Neurosciences
 PAR-02-021—Centers of Excellence In Genomic Science (supercedes PAR-00-101)
 PAR-02-023—Human Embryonic Stem Cell Research Resource Infrastructure Enhancement Award
 PA-01-028—Research on Psychopathology in Mental Retardation
 PA-01-086—Restless Legs Syndrome and Periodic Limb Movement Disorder
 PA-01-096—Behavioral, Social, Mental Health, and Substance Abuse Research with Diverse Populations
 PA-01-123—Collaborative R01s for Clinical and Services Studies of Mental Disorders and AIDS (CSMD)
 PA-01-124—Patient-Centered Care: Customizing Care to Meet Patients' Needs
 PA-02-003—Neurotechnology Research, Development, and Enhancement
 PA-02-011—Bioengineering Research Grants
 PA-02-022—Planning Grants to Organize Programs for International Clinical, Operational, and Health Services Research Training for AIDS and Tuberculosis
 PA-02-024—Statistical Methods in HIV/AIDS Research
 PA-02-025—Plasticity of Human Stem Cells in the Nervous System
 PA-02-027—Pharmacologic Agents and Drugs for Mental Disorders (SBIR AWARD)
 PA-02-028—Development of PET and SPECT Ligands for Brain Imaging (SBIR AWARD)
 PA-02-029—Probes for Microimaging the Nervous System
 PA-02-043—Social and Cultural Dimensions of Health

Notices (NOTs) (see <http://grants.nih.gov/grants/guide/notice-files/index.html>)

MH-01-007—Clarification of Page Limits: Advanced Centers for Interventions and Services Research (PAR-01-089);
Developing Centers for Intervention and Services Research (PAR-01-090)
MH-01-008—Mouse Neuroscience Phenotyping and Distributing Center
MH-01-009—Advanced and Developing Centers for Intervention and Services Research - Clarification of Accounting for Contractual F&A Costs
MH-01-010—Administrative Supplements for Human Postmortem Brain Research in Mental Illnesses
MH-01-011—Availability to the Scientific Community of Mice with Selective Mutations
MH-01-012—Research in Response to Terrorist Acts Against America: Addendum to PA-91-04, "Rapid Assessment Post-Impact of Disaster (RAPID) Research Grant Program"
MH-01-013—Research Units on Pediatric Psychopharmacology and Psychosocial Interventions (RUPP-PI) Clarification of Accounting for Contractual F&A Costs
MH-01-014—Joint NSF/NIH Initiative To Support Collaborative Research In Computational Neuroscience (CRCNS)

Requests for Proposals (RFPs) (see <http://www.nimh.nih.gov/grants/indexcon.cfm>)

NIMH-01-AI-0005—Long Term Effects of Potent Antiretroviral Therapy On HIV-Induced Nervous System Disease
NIMH-01-DI-0017—Collaborative Research Pertaining to NIMH's Mood & Anxiety Disorders Programs (NIMH: MAP)
NIMH-01-DN-0018—Mouse Neuroscience Phenotyping and Distributing Center